

BOBBY JINDAL  
GOVERNOR



HAROLD LEGGETT, Ph.D.  
SECRETARY

**State of Louisiana**  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080001  
Agency Interest No. 26328

Mr. Cordell Grand  
General Manager  
Louisiana Energy and Power Authority  
210 Venture Way  
Lafayette, LA 70507

RE: Part 70 Operating Permit, LA Energy & Power Authority (LEPA) - New Roads Power Plant  
Louisiana Energy & Power Authority (LEPA), New Roads, Pointe Coupee Parish, Louisiana

Dear Mr. Grand:

This is to inform you that the permit renewal for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_ of \_\_\_\_\_, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

Permit No.: 2260-00057-V3

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary  
CSN:bsc

c: EPA Region VI

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LA Energy & Power Authority (LEPA) - New Roads Power Plant**  
**Agency Interest No.: 26328**  
**Louisiana Energy & Power Authority (LEPA)**  
**New Roads, Pointe Coupee Parish, Louisiana**

**I. Background**

The New Roads Power Plant is an existing power plant facility that is owned by the City of New Roads, but is operated by Louisiana Energy and Power Authority (LEPA). The New Roads Power Plant currently operates under Permit No. 2260-00057-V2, issued July 23, 2003.

This is the Part 70 operating permit renewal for the facility.

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by LEPA on January 17, 2008, requesting a Part 70 operating permit renewal. Additional information dated May 20, 2008 was also received.

**III. Description**

The New Roads Power Plant generates electricity using six engines (Emission Points C1, C2, C3, C4, C5, and C6). The engines burn natural gas and No. 2 fuel oil. The engines run only in emergency situations or due to operating constraints. The power plant also has three diesel storage tanks and six cooling towers.

With this modification LEPA proposes to speciate the VOC's and update emissions based off of more accurate AP-42 emission factors.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	4.15	4.09	- 0.06
SO <sub>2</sub>	30.79	30.79	-
NO <sub>x</sub>	180.92	195.07	+ 14.15
CO	70.70	70.71	+ 0.01
VOC	12.21	4.49	- 7.72
TSP	4.90	4.82	- 0.08

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<u>VOC LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's</u>	<u>Emissions in Tons per year</u>
Benzene	0.047
Toluene	0.017
Xylenes	0.012
Formaldehyde	0.005
Acetaldehyde	0.001
Naphthalene	0.004
Total TAP's	0.086

**IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations and Prevention of Significant Deterioration (PSD). New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

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**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2008; and in the <local paper>, <local town>, on <date>, 2008. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Dispersion Model Used: AERMOD

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
NOx	Annual	21.0 µg/m <sup>3</sup>	100 µg/m <sup>3</sup>

**VIII. General Condition XVII Activities**

None

**AIR PERMIT BRIEFING SHEET**  
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**IX. Insignificant Activities**

<u>ID No.:</u>	<u>Description</u>	<u>Citation</u>
-	990 gallon Lube Oil Tank No. 1	LAC 33:III.501.B.5.A.3
-	1295 gallon Lube Oil Tank No. 4	LAC 33:III.501.B.5.A.3
-	1295 gallon Lube Oil Tank No. 5	LAC 33:III.501.B.5.A.3
-	345 gallon Diesel Day Tank No. 1	LAC 33:III.501.B.5.A.3
-	345 gallon Diesel Day Tank No. 3	LAC 33:III.501.B.5.A.3
-	345 gallon Diesel Day Tank No. 4	LAC 33:III.501.B.5.A.3
-	345 gallon Diesel Day Tank No. 5	LAC 33:III.501.B.5.A.3
-	315 gallon Diesel Day Tank No. 6	LAC 33:III.501.B.5.A.3
-	465 gallon Waste Oil Tank	LAC 33:III.501.B.5.A.3
-	12370 gallon Diesel Day Tank No. T1	LAC 33:III.501.B.5.D
-	12370 gallon Diesel Day Tank No. T2	LAC 33:III.501.B.5.D
-	28370 gallon Diesel Day Tank No. T4	LAC 33:III.501.B.5.D



# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LA Energy & Power Authority (LEPA) - New Roads Power Plant

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Louisiana Energy & Power Authority (LEPA)

New Roads, Pointe Coupee Parish, Louisiana

## KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LA Energy &amp; Power Authority (LEPA) - New Roads Power Plant

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New Roads, Pointe Coupee Parish, Louisiana

ID No.:	Description	40 CFR 60 NSPS										40 CFR 63 NESHAP						40 CFR		
		A	K	Ka	Kb	Db	Dc	GG	KKK	III	Q	HH	SS	VV	HHH	64	68	72		
UNF 1	Plant Wide																3			
EQT 1	C1 Diesel Engine									2						3			3	
EQT 2	C2 Diesel Engine									2						3			3	
EQT 3	C3 Diesel Engine									2						3			3	
EQT 4	C4 Diesel Engine									2						3			3	
EQT 5	C5 Diesel Engine									2						3			3	
EQT 6	C6 Diesel Engine									2						3			3	
EQT 10	X1 Cooling Tower										2									
EQT 11	X2 Cooling Tower										2									
EQT 12	X3 Cooling Tower										2									
EQT 13	X4 Cooling Tower										2									
EQT 14	X5 Cooling Tower										2									
EQT 15	X6 Cooling Tower										2									



**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY****LA Energy & Power Authority (LEPA) - New Roads Power Plant****Agency Interest No.: 26328****Louisiana Energy & Power Authority (LEPA)****New Roads, Pointe Coupee Parish, Louisiana****KEY TO MATRIX**

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New Roads, Pointe Coupee Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
UNF1 Facility wide	Chemical Accident Prevention and Minimization of Consequences (LAC 33:III.Chapter 59)	DOES NOT APPLY - Threshold quantities are not exceeded
	Chemical Accident Prevention Provision 40 CFR 68	DOES NOT APPLY - Threshold quantities are not exceeded
C1, C2, C3, C4, C5, and C6 Diesel Engines	Acid Rain Program (40 CFR 72)	DOES NOT APPLY - Name plate ratings are <25 MW
	Emission Standards for Sulfur Dioxide (LAC 33:III.1503)	EXEMPT - Facility emits less than 100 TPY of sulfur compounds measured as SO <sub>2</sub> and is exempt from both the 2000 ppmv limitation established by 1503.C and the continuous emissions monitoring requirement of 1511.A
	40 CFR 64 - Compliance Assurance Monitoring	DOES NOT APPLY - Sources do not use control devices to achieve compliance with an emission limitation or standard. 64.2(a)(2)
X1, X2, X3, X4, X5, and X6 Cooling Towers	NSPS Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	DOES NOT APPLY - Engines manufactured before 2007
	40 CFR 63 Subpart Q - Industrial Process Cooling Towers	DOES NOT APPLY - Cooling Towers will not use chromium-based water treatment chemicals

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The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

**40 CFR PART 70 GENERAL CONDITIONS**

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

## 40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
  4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4): [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

## 40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  5. changes in emissions would not qualify as a significant modification; and
  6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

## 40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
    - a. Report by June 30 to cover January through March
    - b. Report by September 30 to cover April through June
    - c. Report by December 31 to cover July through September
    - d. Report by March 31 to cover October through December
  4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

## 40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).



## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated January 17, 2008, along with supplemental information dated May 20, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
    - 1. Report by June 30 to cover January through March
    - 2. Report by September 30 to cover April through June
    - 3. Report by December 31 to cover July through September
    - 4. Report by March 31 to cover October through December

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the following:
- Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302
- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 26328 LA Energy & Power Authority (LEPA) - New Roads Power Plant  
 Activity Number: PER20080001  
 Permit Number: 2260-00057-V3  
 Air - Title V Regular Permit Renewal

## Also Known As:

ID	Name	User Group	Start Date
2260-00057	LA Energy & Power Authority (LEPA) - New Roads Power Plant	CDS Number	08-05-2002
72-0898014	Federal Tax ID	Federal Tax ID	11-21-1999
LAR000011551	LA Energy & Power Authority (LEPA) - New Roads Power Plant	Hazardous Waste Notification	03-01-1996
LA0099210	LPDES #	LPDES Permit #	06-25-2003
LAC940014	LPDES #	LPDES Permit #	11-01-2000
WP4983	WPC State Permit Number	LWDPS Permit #	06-25-2003
32728	LA Energy & Power Authority (LEPA) - New Roads Power Plant	TEMPO Merge	07-01-2001
52271	LA Energy & Power Authority (LEPA)	TEMPO Merge	01-02-2001

## Physical Location:

215 Oak St  
 New Roads, LA 70760

## Mailing Address:

210 Venture Way  
 Lafayette, LA 70507

## Location of Front Gate:

30° 42' 10" latitude, 91° 25' 19" longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD83

## Related People:

Name	Mailing Address	Phone (Type)	Relationship
Kevin Arceneaux	210 Venture Way Lafayette, LA 705075319	3372694046 (WP)	Water Permit Contact For
Cordell Grand	210 Venture Way Lafayette, LA 70507	3372694046 (WP)	Responsible Official for
Brian Guidroz	210 Ventura Way Lafayette, LA 70507	2256388047 (WP)	Air Permit Contact For
Brian Guidroz	210 Ventura Way Lafayette, LA 70507	2256388047 (WP)	Emission Inventory Contact for
Kevin Guidry	PO Box 280 New Roads, LA 70760	KGUIDRY@LEPA.C	Emission Inventory Contact for
Kevin Guidry	PO Box 280 New Roads, LA 70760	3372378439 (WP)	Emission Inventory Contact for

## Related Organizations:

Name	Address	Phone (Type)	Relationship
City of New Roads	237 W Main St New Roads, LA 70767		Emission Inventory Billing Party
City of New Roads	237 W Main St New Roads, LA 70767		Owns
Louisiana Energy & Power Authority (LEPA)	210 Venture Way Lafayette, LA 70507		Air Billing Party for
Louisiana Energy & Power Authority (LEPA)	210 Venture Way Lafayette, LA 70507		Operates
Louisiana Energy & Power Authority (LEPA)	210 Venture Way Lafayette, LA 70507		Water Billing Party for

## NAIC Codes:

22111, Electric Power Generation

General Information

AI ID: 26328 LA Energy & Power Authority (LEPA) - New Roads Power Plant

Activity Number: PER20080001

Permit Number: 2260-00057-V3

Air - Title V Regular Permit Renewal

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to [facupdate@la.gov](mailto:facupdate@la.gov).

# INVENTORIES

AI ID: 26328 - LA Energy & Power Authority (LEPA) - New Roads Power Plant

Activity Number: PER20080001

Permit Number: 2260-00057-V3

Air - Title V Regular Permit Renewal

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>LA Energy &amp; Power Authority</b>						
EQT0001	C1 - Unit No. 1 Engine		3215 horsepower	3215 horsepower		1200 hr/yr (All Year)
EQT0002	C2 - Unit No. 2 Engine		960 horsepower	960 horsepower		1200 hr/yr (All Year)
EQT0003	C3 - Unit No. 3 Engine		1600 horsepower	1600 horsepower		1200 hr/yr (All Year)
EQT0004	C4 - Unit No. 4 Engine		2400 horsepower	2400 horsepower		1200 hr/yr (All Year)
EQT0005	C5 - Unit No. 5 Engine		2400 horsepower	2400 horsepower		1200 hr/yr (All Year)
EQT0006	C6 - Unit No. 6 Engine		2800 horsepower	2800 horsepower		1200 hr/yr (All Year)
EQT0010	X1 - Cooling Tower No. 1		1755 gallons/min	1755 gallons/min		1200 hr/yr (All Year)
EQT0011	X2 - Cooling Tower No. 2		1755 gallons/min	1755 gallons/min		1200 hr/yr (All Year)
EQT0012	X3 - Cooling Tower No. 3		1755 gallons/min	1755 gallons/min		1200 hr/yr (All Year)
EQT0013	X4 - Cooling Tower No. 4		1755 gallons/min	1755 gallons/min		1200 hr/yr (All Year)
EQT0014	X5 - Cooling Tower No. 5		1755 gallons/min	1755 gallons/min		1200 hr/yr (All Year)
EQT0015	X6 - Cooling Tower No. 6		1755 gallons/min	1755 gallons/min		1200 hr/yr (All Year)

## Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>LA Energy &amp; Power Authority</b>							
EQT0001	C1 - Unit No. 1 Engine	126	24100	2		36	700
EQT0002	C2 - Unit No. 2 Engine	66	7200	1.5		31.67	700
EQT0003	C3 - Unit No. 3 Engine	91	12000	1.67		31.5	700
EQT0004	C4 - Unit No. 4 Engine	125	18000	1.75		31.5	700
EQT0005	C5 - Unit No. 5 Engine	125	18000	1.75		31.5	700
EQT0006	C6 - Unit No. 6 Engine	160	21000	1.67		43	700
EQT0010	X1 - Cooling Tower No. 1			6		15	
EQT0011	X2 - Cooling Tower No. 2			6		15	
EQT0012	X3 - Cooling Tower No. 3			6		15	
EQT0013	X4 - Cooling Tower No. 4			6		15	
EQT0014	X5 - Cooling Tower No. 5			6		15	
EQT0015	X6 - Cooling Tower No. 6			6		15	

## Relationships:

## Subject Item Groups:

ID	Group Type	Group Description
CRG0002	Common Requirements Group	Diesel Engines - Diesel Engines
UNF0001	Unit or Facility Wide	Entire Facility - Entire Facility

**INVENTORIES****AI ID: 26328 - LA Energy & Power Authority (LEPA) - New Roads Power Plant****Activity Number: PER20080001****Permit Number: 2260-00057-V3****Air - Title V Regular Permit Renewal****Group Membership:**

ID	Description	Member of Groups
EQT0001	C1 - Unit No. 1 Engine	CRG00000000002
EQT0002	C2 - Unit No. 2 Engine	CRG00000000002
EQT0003	C3 - Unit No. 3 Engine	CRG00000000002
EQT0004	C4 - Unit No. 4 Engine	CRG00000000002
EQT0005	C5 - Unit No. 5 Engine	CRG00000000002
EQT0006	C6 - Unit No. 6 Engine	CRG00000000002

**NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group****Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1410	B) Electric Power Gen. (0.7 percent S or Less in Fuel) (Rated Capacity)	9.5	MW

**SIC Codes:**

4911	Electric services	A126328
4911	Electric services	UNF001



**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 26328 - LA Energy &amp; Power Authority (LEPA) - New Roads Power Plant

Activity Number: PER20080001

Permit Number: 2260-00057-V3

Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
<b>LA Energy &amp; Power Authority</b>															
EQT 0001 C1	28.14	28.14	16.89	77.63	77.63	46.58	1.39	1.39	0.83	12.25	12.25	7.35	1.80	1.80	1.08
EQT 0002 C2	8.69	8.69	5.21	23.97	23.97	14.38	0.43	0.43	0.26	3.78	3.78	2.27	0.43	0.43	0.26
EQT 0003 C3	13.77	13.77	8.26	37.98	37.98	22.79	0.68	0.68	0.41	5.99	5.99	3.60	0.88	0.88	0.53
EQT 0004 C4	21.03	21.03	12.62	58.02	58.02	34.81	1.04	1.04	0.62	9.16	9.16	5.50	1.42	1.42	0.85
EQT 0005 C5	20.71	20.71	12.42	57.12	57.12	34.27	1.02	1.02	0.61	9.01	9.01	5.41	1.32	1.32	0.79
EQT 0006 C6	25.52	25.52	15.31	70.40	70.40	42.24	1.26	1.26	0.76	11.11	11.11	6.67	1.63	1.63	0.98
EQT 0010 X1							0.16	0.16	0.10						
EQT 0011 X2							0.16	0.16	0.10						
EQT 0012 X3							0.16	0.16	0.10						
EQT 0013 X4							0.16	0.16	0.10						
EQT 0014 X5							0.16	0.16	0.10						
EQT 0015 X6							0.16	0.16	0.10						

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 26328 - LA Energy &amp; Power Authority (LEPA) - New Roads Power Plant

Activity Number: PER20080001

Permit Number: 2260-00057-V3

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 C1	Acetaldehyde	0.001	0.001	< 0.001
	Benzene	0.019	0.019	0.011
	Formaldehyde	0.002	0.002	0.001
	Naphthalene	0.003	0.003	0.002
	Toluene	0.007	0.007	0.004
	Total suspended particulate	1.69	1.69	1.02
	Xylene (mixed isomers)	0.005	0.005	0.003
EQT 0002 C2	Benzene	0.006	0.006	0.003
	Formaldehyde	0.001	0.001	< 0.001
	Toluene	0.002	0.002	0.001
	Total suspended particulate	0.52	0.52	0.31
	Xylene (mixed isomers)	0.001	0.001	0.001
EQT 0003 C3	Benzene	0.009	0.009	0.006
	Formaldehyde	0.001	0.001	0.001
	Toluene	0.003	0.003	0.002
	Total suspended particulate	0.83	0.83	0.50
	Xylene (mixed isomers)	0.002	0.002	0.001
EQT 0004 C4	Benzene	0.014	0.014	0.008
	Formaldehyde	0.001	0.001	0.001
	Toluene	0.005	0.005	0.003
	Total suspended particulate	1.26	1.26	0.76
	Xylene (mixed isomers)	0.003	0.003	0.002
EQT 0005 C5	Benzene	0.014	0.014	0.008
	Formaldehyde	0.001	0.001	0.001
	Toluene	0.005	0.005	0.003
	Total suspended particulate	1.24	1.24	0.75
	Xylene (mixed isomers)	0.003	0.003	0.002
EQT 0006 C6	Acetaldehyde	0.001	0.001	< 0.001
	Benzene	0.017	0.017	0.010
	Formaldehyde	0.002	0.002	0.001
	Naphthalene	0.003	0.003	0.002
	Toluene	0.006	0.006	0.004
	Total suspended particulate	1.53	1.53	0.92
	Xylene (mixed isomers)	0.004	0.004	0.003

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 26328 - LA Energy &amp; Power Authority (LEPA) - New Roads Power Plant

Activity Number: PER20080001

Permit Number: 2260-00057-V3

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 Entire Facility	Acetaldehyde			0.001
	Benzene			0.047
	Formaldehyde			0.005
	Naphthalene			0.004
	Toluene			0.017
	Total suspended particulate			4.82
	Xylene (mixed isomers)			0.012

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS**

AI ID: 26328 - LA Energy &amp; Power Authority (LEPA) - New Roads Power Plant

Activity Number: PER20080001

Permit Number: 2260-00057-V3

Air - Title V Regular Permit Renewal

**CRG0002 Diesel Engines**

Group Members: EQT0001 EQT0002 EQT0003 EQT0004 EQT0005 EQT0006

- 1 [LAC 33:III.1101.B]  
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified.
- 2 [LAC 33:III.1311.C]  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: Six-minute average
- 3 [LAC 33:III.1513.C]  
Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
- 4 [LAC 33:III.501.C.6]  
Operating time <= 1200 hr/yr for each engine and <= 720 hours semiannually for each engine. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if hours exceed the maximum listed in this specific condition for any twelve consecutive month period.  
Which Months: All Year Statistical Basis: Annual maximum
- 5 [LAC 33:III.501.C.6]  
Operating time monitored by technically sound method continuously.
- 6 [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: None specified
- 7 [LAC 33:III.501.C.6]  
Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total hours each month, as well as the total hours for the last twelve months. Make records available for inspection by DEQ personnel.
- 8 [LAC 33:III.507.H.1.a]  
Submit report: Due annually, by the 31st of March. Report the hours for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.  
Conduct a stack test for Nitrogen Oxides and Carbon Monoxide for Engine C1 (EQT0001) and Engine C6 (EQT0006): Test for each engine must be performed within five years, plus or minus 6 months, of when the respective previous stack test was performed. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. An approved portable analyzer may be used in lieu of a reference method analyzer. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 9 [LAC 33:III.507.H.1.a]  
Conduct an initial stack test for Nitrogen Oxides and Carbon Monoxide for Engine C1 (EQT0001) and Engine C6 (EQT0006): Tests for engines must be performed within 180 days after the issuance of permit renewal. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. An approved portable analyzer may be used in lieu of a reference method analyzer. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 10 [LAC 33:III.507.H.1.a]  
Submit notification: Due at least 30 days prior to any LDEQ required stack test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

# SPECIFIC REQUIREMENTS

AI ID: 26328 - LA Energy & Power Authority (LEPA) - New Roads Power Plant

Activity Number: PER20080001

Permit Number: 2260-00057-V3

Air - Title V Regular Permit Renewal

## CRG0002 Diesel Engines

11 [LAC 33:III.507.H.1.a]

Submit stack test report: Due within 60 days after stack test. Submit test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity. [LAC 33:III.507.H.1.a].

## UNF0001 LA Energy & Power Authority

12 [40 CFR 70.5(a)(1)(iii)]

Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

13 [40 CFR 70.6(a)(3)(iii)(A)]

Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

14 [40 CFR 70.6(a)(3)(iii)(B)]

Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]

15 [40 CFR 70.6(c)(5)(iv)]

Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

16 [LAC 33:III.1103]

Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.

17 [LAC 33:III.1303.B]

Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.

18 [LAC 33:III.2113.A]

Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

19 [LAC 33:III.219]

Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.

20 [LAC 33:III.5307.B]

Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 1st of July to the Office of Environmental Services. Include the information in LAC 33:III.5307.A for the preceding calendar year.

21 [LAC 33:III.5609.A.1.b]

Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.

22 [LAC 33:III.5609.A.2.b]

Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.

**SPECIFIC REQUIREMENTS**

AI ID: 26328 - LA Energy &amp; Power Authority (LEPA) - New Roads Power Plant

Activity Number: PER20080001

Permit Number: 2260-00057-V3

Air - Title V Regular Permit Renewal

**UNF0001 LA Energy & Power Authority**

- |    |                         |   |
|----|-------------------------|---|
| 23 | [LAC 33:III.5609.A.3.b] | Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.   |
| 24 | [LAC 33:III.5609.A]     | Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.  |
| 25 | [LAC 33:III.919.D]      | Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. |

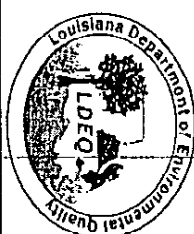
Department of Environmental Quality  
Air Quality Division  
P.O. Box 82135  
Baton Rouge, LA 70884-2135  
(225) 765-0219

# LOUISIANA

## SINGLE POINT/AREA/VOLUME SOURCE

### Emission Inventory Questionnaire (EIQ)

#### for Air Pollutants



Company Name

Louisiana Energy and Power Authority

Plant location and name (if any)

New Roads Power plant

Date of submittal

May 2008

Source ID number

Unit No. 1 Engine

Approximate location of stack or vent (see instructions on how to determine location of area sources)

UTM zone no.

15 Horizontal coordinate  
16 Vertical coordinate650.8 mE  
3396.9 mN

Stack and Discharge

Height of Stack  
above grade (ft)Diameter (ft) or stack  
discharge area (ft<sup>2</sup>)Stack gas  
exit  
temperature  
b (°F)Stack gas flow at process  
conditions, not at standard (ft<sup>3</sup>/min)Stack gas exit velocity  
(ft/sec)Date of  
construction/modificationOperating rate  
(Max)  
or tank capacityCharacteristics  
(Change \_\_ yes \_\_ x \_\_ no)

36

2.0 ft

700

24,100

126

3215 hp

Fuel

Type of fuel used and heat input (see instructions)

Heat Input (MM BTU/hr)

Operating  
Character.Percent of annual throughput of  
pollutants through this emission pointNormal operating time  
of this pointNormal  
Operating  
Rate

a

Natural Gas

12.13

Dec-Feb

10

Mar-May

30

Jun-Aug

50

Sep-Nov

10

Monday

24

day/week

7

b

No 2 Diesel

12.13

Dec-Feb

10

Mar-May

30

Jun-Aug

50

Sep-Nov

10

Monday

24

day/week

7

c

## Air Pollutant Specific Information

Pollutant	Control Equipment Code	Control Equipment Efficiency	Emission Rate			Emission Estimation Method	Add, Change, or Delete Code	Concentration in gases existing at stack
			Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)			
Particulate matter (PM <sub>10</sub> )	000	0	1,390	1,390	0.834	3	Change	ppm by vol
Sulfur dioxide	000	0	12,251	12,251	7,351	3	Change	ppm by vol
Nitrogen dioxide	000	0	77,632	77,632	46,579	3	Change	ppm by vol
Carbon monoxide	000	0	28,142	28,142	16,865	3	Change	ppm by vol
Total VOC (including those listed below)	000	0	1,795	1,795	1,077	3	Change	ppm by vol
Benzene	000	0	0.019	0.019	0.011	3	Add	ppm by vol
Toluene	000	0	0.007	0.007	0.004	3	Add	ppm by vol
Xylenes	000	0	0.005	0.005	0.003	3	Add	ppm by vol
Propylene	000	0	0.068	0.068	0.041	3	Add	ppm by vol
Formaldehyde	000	0	0.002	0.002	0.001	3	Add	ppm by vol

(Continued on next sheet)

Note(s): The physical and operational data provided represents normal operations and best approximations of physical measurements.

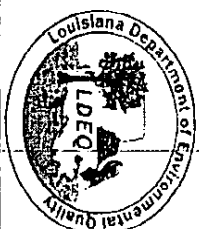




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# LOUISIANA

## SINGLE POINT/AREA/VOLUME SOURCE Emission Inventory Questionnaire (EIQ) for Air Pollutants



Company Name <b>Louisiana Energy and Power Authority</b>		Plant location and name (if any) <b>New Roads Power Plant</b>		Date of submittal <b>May 2008</b>	
Source ID number <b>C2</b>		Descriptive name of the equipment served by this stack or vent <b>Unit No. 2 Engine</b>		Approximate location of stack or vent (see instructions on how to determine location of area sources) <b>UTM zone no. 15 Horizontal coordinate 16 Vertical coordinate 650.8 mE 3396.9 mN</b>	
Stack and Discharge <b>Physical</b>		Height of Stack <b>above grade (ft)</b>	Diameter (ft) or stack <b>discharge area (ft<sup>2</sup>)</b>	Stack gas <b>exit temperature (°F)</b>	Stack gas flow at process <b>conditions, not at standard (ft<sup>3</sup>/min)</b>
Characteristics <b>(Change __ yes __ x __ no)</b>		<b>31.67</b>	<b>1.5 ft</b>	<b>700</b>	<b>7,200</b>
Type of fuel used and heat input (see instructions) <b>Fuel</b>		Heat Input (MM BTU/hr)		Operating Character.	
a <b>Natural Gas</b>		<b>3.74</b>		Percent of annual throughput of pollutants through this emission point	
b <b>No. 2 Diesel</b>		<b>3.75</b>		Dec-Feb 10 Mar-May 30 Jun-Aug 50 Sep-Nov 10 Nov-Mar 24 Dec-Feb 7	
c				Normal operating time of this point <b>7.2</b>	
Full Load				Operating Rate	

Pollutant	Control Equipment Code	Control Equipment Efficiency	Emission Rate			Emission Estimation Method	Add, Change, or Delete Code	Concentration in gases exiting at stack
			Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)			
Particulate matter (PM <sub>10</sub> )	000	0	0.429	0.429	0.258	3	Change	gr/ft <sup>3</sup>
Sulfur dioxide	000	0	3.782	3.782	2.269	3	Change	ppm by vol
Nitrogen dioxide	000	0	23.968	23.968	14.381	3	Change	ppm by vol
Carbon monoxide	000	0	8.688	8.688	5.213	3	Change	ppm by vol
Total VOC (including those listed below)	000	0	0.428	0.428	0.257	3	Change	ppm by vol
Benzene	000	0	0.006	0.006	0.003	3	Add	ppm by vol
Toluene	000	0	0.002	0.002	0.001	3	Add	ppm by vol
Xylenes	000	0	0.001	0.001	0.001	3	Add	ppm by vol
Propylene	000	0	0.021	0.021	0.013	3	Add	ppm by vol
Formaldehyde	000	0	0.001	0.001	<0.001	3	Add	ppm by vol
(Continued on next sheet)								

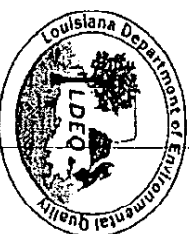
Note(s): The physical and operational data provided represents normal operations and best approximations of physical measurements.



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(225) 765-0219

# LOUISIANA

## SINGLE POINT/AREAVOLUME SOURCE Emission Inventory Questionnaire (EIQ) for Air Pollutants



Company Name

Plant location and name (if any)

Date of submittal

Louisiana Energy and Power Authority

New Roads Power Plant

January 2008

Source ID number

Approximate location of stack or vent (see instructions on how to determine location of area sources)

C3

Unit No. 3 Engine

UTM zone no.

15 Horizontal coordinate  
16 Vertical coordinate650.8 mE  
3396.9 mN

Stack and Discharge

Height of Stack

Diameter (ft) or stack

Stack gas

Stack gas flow at process

Stack gas exit velocity (ft/sec)

Date of construction/modification

Operating rate (Max) or tank capacity

Physical

above grade (ft)

discharge area (ft<sup>2</sup>)

exit temperature (°F)

conditions, not at standard (ft<sup>3</sup>/min)

91

Characteristics

31.5

1.67 ft

700

12,000

91

1600 Hp

[Change yes x, no]

Fuel

Type of fuel used and heat input (see instructions)

Operating Character.

Percent of annual throughput of pollutants through this emission point

Normal operating time of this point

Normal Operating Rate

a Natural Gas

5.93

Dec-Feb

Mar-May

Jun-Aug

Sep-Nov

Monday

24

days/yr

7

wkyr

7.2

b No. 2 Diesel

5.94

10

30

50

10

24

7

7.2

Full Load

Full Load

Full Load

### Air Pollutant Specific Information

Pollutant	Control Equipment Code	Control Equipment Efficiency	Emission Rate			Emission Estimation Method	Add, Change, or Delete Code	Concentration in gases exiting at stack
			Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)			
Particulate matter (PM <sub>10</sub> )	000	0	0.680	0.680	0.408	3	Change	g/stack ft <sup>3</sup>
Sulfur dioxide	000	0	5.994	5.994	3.597	3	Change	ppm by vol
Nitrogen dioxide	000	0	37.984	37.984	22.790	3	Change	ppm by vol
Carbon monoxide	000	0	13.77	13.769	8.262	3	Change	ppm by vol
Total VOC (including those listed below)	000	0	0.878	0.878	0.527	3	Change	ppm by vol
Benzene	000	0	0.009	0.009	0.006	3	Add	ppm by vol
Toluene	000	0	0.003	0.003	0.002	3	Add	ppm by vol
Xylenes	000	0	0.002	0.002	0.001	3	Add	ppm by vol
Propylene	000	0	0.033	0.033	0.020	3	Add	ppm by vol
Formaldehyde	000	0	0.001	0.001	0.001	3	Add	ppm by vol
(Continued on next sheet)								

(Note(s): The physical and operational data provided represents normal operations and best approximations of physical measurements.



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Air Quality Division  
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# LOUISIANA

## SINGLE POINT/AREA/VOLUME SOURCE Emission Inventory Questionnaire (EIQ) for Air Pollutants



Company Name

Plant location and name (if any)

Date of submittal

Louisiana Energy and Power Authority

New Roads Power Plant

January 2008

Source ID number

Descriptive name of the equipment served by this stack or vent

Approximate location of stack or vent (see instructions on how to determine location of area sources)

C4

Unit No. 4 Engine

UTM zone no.

15 Horizontal coordinate  
16 Vertical coordinate650.8 mE  
3396.9 mN

Stack and Discharge

Height of Stack

Diameter (ft) or stack

Stack gas

Stack gas flow at process

Stack gas exit velocity

Date of construction/modification

Operating rate (Max) or tank capacity

Physical

above grade (ft)

discharge area (ft<sup>2</sup>)

exit temperature (°F)

conditions, not at standard (ft<sup>3</sup>/min)

(ft/sec)

2400 Hp

Characteristics

31.5

1.75 ft

700

18,000

125

2400 Hp

(Change yes x no)

Type of fuel used and heat input (see instructions)

Operating Character.

Percent of annual throughput of pollutants through this emission point

Normal operating time of this point

Normal Operating Rate

Fuel

Type of fuel

Natural Gas

Heat Input (MM BTU/hr)

9.06

Dec-Feb

10

Mar-May

30

Jun-Aug

50

Sep-Nov

10

In-day

24

day/week

7

w/yr

7.2

Full Load

a

b

c

No. 2 Diesel

9.07

Dec-Feb

10

Mar-May

30

Jun-Aug

50

Sep-Nov

10

In-day

24

day/week

7

w/yr


7.2

Full Load

### Air Pollutant Specific Information

Pollutant	Control Equipment Code	Control Equipment Efficiency	Emission Rate			Emission Estimation Method	Add, Change, or Delete Code	Concentration in gases exiting at stack
			Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)			
Particulate matter (PM <sub>10</sub> )	000	0	1.039	1.039	0.623	3	Change	grist ft
Sulfur dioxide	000	0	9.156	9.156	5.493	3	Change	ppm by vol
Nitrogen dioxide	000	0	58.016	58.016	34.810	3	Change	ppm by vol
Carbon monoxide	000	0	21.03	21.031	12.618	3	Change	ppm by vol
Total VOC (including those listed below)	000	0	1.415	1.415	0.849	3	Change	ppm by vol
Benzene	000	0	0.014	0.014	0.008	3	Add	ppm by vol
Toluene	000	0	0.005	0.005	0.003	3	Add	ppm by vol
Xylenes	000	0	0.003	0.003	0.002	3	Add	ppm by vol
Propylene	000	0	0.051	0.051	0.030	3	Add	ppm by vol
Formaldehyde	000	0	0.001	0.001	0.001	3	Add	ppm by vol
(Continued on next sheet)								

Note(s): The physical and operational data provided represents normal operations and best approximations of physical measurements.

Department of Environmental Quality Air Quality Division P.O. Box 82135 Baton Rouge, LA 70884-2135 (225) 765-0219				<h1>LOUISIANA</h1> <h2>SINGLE POINT/AREA/VOLUME SOURCE</h2> <h3>Emission Inventory Questionnaire (EIQ)</h3> <h4>for Air Pollutants</h4>							
Company Name <b>Louisiana Energy and Power Authority</b>		Plant location and name (if any) <b>New Roads Power Plant</b>		Date of submittal <b>January 2008</b>							
Source ID number <b>C4 (Continued)</b>		Descriptive name of the equipment served by this stack or vent <b>Unit No. 4 Engine</b>		Approximate location of stack or vent (see instructions on how to determine location of area sources) <b>UTM zone no. 15 Horizontal coordinate 16 Vertical coordinate</b>		650.8 ME 3396.9 MN					
Stack and Discharge Physical Characteristics (Change yes_x no)		Height of Stack above grade (ft) 31.5	Diameter (ft) or stack discharge area (ft²) 1.75 ft	Stack gas exit temperature (°F) 700	Stack gas flow at process conditions, <u>not</u> at standard (ft³/min) 18,000	Stack gas exit velocity (ft/sec) 125	Date of construction/modification	Operating rate (Max) or tank capacity 2400 Hp			
<b>Fuel</b>		Type of fuel used and heat input (see instructions) Type of fuel Natural Gas No 2 Diesel		Heat input (MM BTU/hr) 9.06 9.07		Operating Character. Percent of annual throughput of pollutants through this emission point		Normal operating time of this point Dec-Feb 10 Mar-May 30 Jun-Aug 50 Sep-Nov 10 In/day 24 days/wk 7 wks/yr 7.2 Full Load			
<b>Air Pollutant Specific Information</b>											
Pollutant	Control Equipment Code	Control Equipment Efficiency	Emission Rate			Emission Estimation Method	Add, Change, or Delete Code	Concentration in gases exiting at stack			
			Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)						
Phenanthrene	000	0	0.002	0.002	0.001	3	Add		ppm by vol		
Other VOC	000	0	1.338	1.338	0.803	3	Add		ppm by vol		
Total Particulate (TSP)	000	0	1.264	1.264	0.758	3	Change		ppm by vol		
									ppm by vol		
									ppm by vol		
									ppm by vol		
									ppm by vol		
									ppm by vol		
									ppm by vol		
									ppm by vol		
									ppm by vol		

Note(s): The physical and operational data provided represents normal operations and best approximations of physical measurements.

Department of Environmental Quality

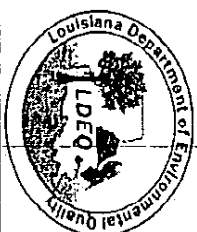
Air Quality Division

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## LOUISIANA

SINGLE POINT/AREA/VOLUME SOURCE  
Emission Inventory Questionnaire (EIQ)  
for Air Pollutants

Company Name

Louisiana Energy and Power Authority

Plant location and name (if any)

New Roads Power Plant

Date of submittal

January 2008

Source ID number

Descriptive name of the equipment served by this stack or vent

Approximate location of stack or vent (see instructions on how to determine location of area sources)

C5

Unit No. 5 Engine

UTM zone no.

15 Horizontal coordinate  
16 Vertical coordinate650.8 mE  
3395.9 mN

Stack and Discharge

Height of Stack  
above grade (ft)Diameter (ft) or stack  
discharge area (ft<sup>2</sup>)Stack gas  
exit  
temperature  
(°F)Stack gas flow at process  
conditions, not at standard (ft<sup>3</sup>/min)Stack gas exit velocity  
(ft/sec)Date of  
construction/modificationOperating rate  
(Max)  
or tank capacityCharacteristics  
(Change yes x no)

31.5

1.75 ft

700

18,000

125

2400 Hp

## Fuel

Type of fuel used and heat input (see instructions)

Type of fuel

Heat input (MM BTU/hr)

Operating  
Character.Percent of annual throughput of  
pollutants through this emission pointNormal operating time  
of this pointNormal  
Operating  
Rate

a Natural Gas

8.79

Dec-Feb

Mar-May

Jun-Aug

Sep-Nov

Friday

days/wk

w/yr

Full Load

b NO. 2 Diesel

8.79

10

30

50

10

24

7

7.2

## Air Pollutant Specific Information

Pollutant	Control Equipment Code	Control Equipment Efficiency	Emission Rate			Emission Estimation Method	Add, Change, or Delete Code	Concentration in gases existing at stack
			Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)			
Particulate matter (PM <sub>10</sub> )	000	0	1.023	1.023	0.614	3	Change	g/std ft <sup>3</sup>
Sulfur dioxide	000	0	9.014	9.014	5.409	3	Change	ppm by vol
Nitrogen dioxide	000	0	57.120	57.120	34.272	3	Change	ppm by vol
Carbon monoxide	000	0	20.71	20.706	12.424	3	Change	ppm by vol
Total VOC (including those listed below)	000	0	1.320	1.320	0.792	3	Change	ppm by vol
Benzene	000	0	0.014	0.014	0.008	3	Add	ppm by vol
Toluene	000	0	0.005	0.005	0.003	3	Add	ppm by vol
Xylenes	000	0	0.003	0.003	0.002	3	Add	ppm by vol
Propylene	000	0	0.050	0.050	0.030	3	Add	ppm by vol
Formaldehyde	000	0	0.001	0.001	0.001	3	Add	ppm by vol
(Continued on next sheet)								

Note(s): The physical and operational data provided represents normal operations and best approximations of physical measurements.

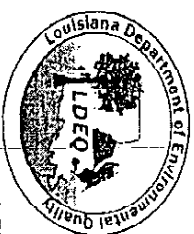
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Air Quality Division  
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# LOUISIANA

## SINGLE POINT/AREA/VOLUME SOURCE

### Emission Inventory Questionnaire (EIQ)

#### for Air Pollutants



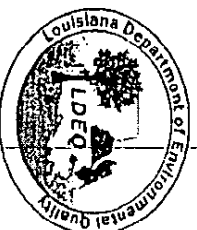
Company Name <b>Louisiana Energy and Power Authority</b>		Plant location and name (if any) <b>New Roads Power Plant</b>		Date of submittal <b>January 2008</b>	
Source ID number		Descriptive name of the equipment served by this stack or vent		Approximate location of stack or vent (see instructions on how to determine location of area sources)	
<b>C5 (Continued)</b>		<b>Unit No. 5 Engine</b>		<b>UTM zone no. 15 Horizontal coordinate 16 Vertical coordinate</b>	
Stack and Discharge		Height of Stack above grade (ft)	Diameter (ft) or stack discharge area (ft <sup>2</sup> )	Stack gas exit temperature (°F)	Stack gas flow at process conditions, not at standard (ft <sup>3</sup> /min)
Physical		31.5	1.75 ft	700	18,000
Characteristics (Change yes_x_no)		Stack gas exit velocity (ft/sec)		Stack gas exit velocity (ft/sec)	
		125		2400 Hp	
Operating rate (Max) or tank capacity		Operating rate (Max) or tank capacity		Operating rate (Max) or tank capacity	
Normal Operating Rate		Normal Operating Rate		Normal Operating Rate	
Type of fuel used and heat input (see instructions)		Operating Character.		Percent of annual throughput of pollutants through this emission point	
Type of fuel		Heat Input (MM BTU/hr)		Dec-Feb	
a Natural Gas		8.79		Mar-May	
b No. 2 Diesel		8.79		Jun-Aug	
c				Sep-Nov	
				Dec-Feb	
				Mar-May	
				Jun-Aug	
				Sep-Nov	
				Dec-Feb	
				Mar-May	
				Jun-Aug	
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Department of Environmental Quality  
Air Quality Division  
P.O. Box 82135  
Baton Rouge, LA 70884-2135  
(225) 765-0219

# LOUISIANA

## SINGLE POINT/AREAVOLUME SOURCE Emission Inventory Questionnaire (EIQ) for Air Pollutants



Company Name

Plant location and name (if any)

Date of submittal

Louisiana Energy and Power Authority

New Roads Power Plant

May 2008

Source ID number

Approximate location of stack or vent (see instructions on how to determine location of area sources)

C6

Unit No. 6 Engine

UTM zone no.

15 Horizontal coordinate  
16 Vertical coordinate650.8 mE  
3396.9 mN

Stack and Discharge

Height of Stack

Diameter (ft) or stack

Stack gas

Stack gas flow at process

Stack gas exit velocity

Date of construction/modification

Operating rate (Max) or tank capacity

Physical

above grade (ft)

discharge area (ft<sup>2</sup>)

Stack gas exit temperature (°F)

Stack gas flow at process conditions, not at standard (ft<sup>3</sup>/min)

Stack gas exit velocity (ft/sec)

Date of construction/modification

Operating rate (Max) or tank capacity

Characteristics

43

1.67 ft

700

21,000

160

2800 Hp

Change yes\_x\_no]

Type of fuel used and heat input (see instructions)

Operating Character.

Percent of annual throughput of pollutants through this emission point

Normal operating time of this point

Normal Operating Rate

Fuel

Type of fuel

Natural Gas

11.00

a

Natural Gas

11.00

Dec-Feb

Mar-May

Jun-Aug

Sep-Nov

10

30

50

10

24

7

7.2

Full Load

b

No. 2 Diesel

11.00

c

### Air Pollutant Specific Information

Pollutant	Control Equipment Code	Control Equipment Efficiency	Emission Rate			Emission Estimation Method	Add, Change, or Delete Code	Concentration in gases exiting at stack
			Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)			
Particulate matter (PM <sub>10</sub> )	000	0	1,261	1,261	0.756	3	Change	gr/ft <sup>3</sup>
Sulfur dioxide	000	0	11,110	11,110	6,666	3	Change	ppm by vol
Nitrogen dioxide	000	0	70,400	70,400	42,240	3	Change	ppm by vol
Carbon monoxide	000	0	25,520	25,520	15,312	3	Change	ppm by vol
Total VOC (including those listed below)	000	0	1,628	1,628	0.977	3	Change	ppm by vol
Benzene	000	0	0.017	0.017	0.010	3	Add	ppm by vol
Toluene	000	0	0.006	0.006	0.004	3	Add	ppm by vol
Xylenes	000	0	0.004	0.004	0.003	3	Add	ppm by vol
Propylene	000	0	0.061	0.061	0.037	3	Add	ppm by vol
Formaldehyde	000	0	0.002	0.002	0.001	3	Add	ppm by vol
(Continued on next sheet)								

Note(s): The physical and operational data provided represents normal operations and best approximations of physical measurements.



# MEETING ATTENDANCE RECORD

DATE: 7/2/08

TIME: 10:30

NAME	REPRESENTING	PHONE #
1. Kermit Wittenburg	LOED in Permits	225-219-3150
2. David Lemoine	CSG	225-275-5131
3. Phil Curwick	CSG	225-275-5131
4. Kevin Blum	LEPA	337-269-4046
5. Shane C. Lacy	DEQ	225-219-3069
6. Gert Garwood	DEQ	225-219-3490
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## New Roads Diesel Plant Historical Runtime (2003 - 2007)

	2003	2004	2005	2006	2007	TOTAL	Runtime %
Unit 1	10	16	53	23	38	140	0.32%
Unit 2	10	11	43	8	33	105	0.24%
Unit 3	5	8	45	7	36	101	0.23%
Unit 4	11	12	44	14	35	116	0.26%
Unit 5	9	16	49	8	32	114	0.26%
Unit 6	7	9	45	11	36	108	0.25%
TOTAL	52	72	279	71	210		
Runtime %	0.12%	0.16%	0.64%	0.16%	0.48%		